

麦子钱包 Eric



- JS应用架构
- 测试环境配置
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- Sample 2:画布应用
- Sample 3:查询交易记录





JS应用架构

Substrate WSS API

@polkadot/api

@polkadot/extension-dapp

@polkadot{.js} extension

MathWallet extension

DAPP Webpage



- 使用上一讲中提到的 Substrate 2.0 Node Template 跑一个本地节点
 - https://substrate.dev/docs/en/tutorials/creating-your-first-substratechain/setup
- WSS
 - ws://127.0.0.1:9944



- 使用麦子插件钱包 v2.1.2
 - https://medishares-cn.oss-cnhangzhou.aliyuncs.com/extension/mathwalletplus-v2.1.2.zip
 - 注:保持节点、插件钱包、网页钱包的版本兼容性
- 完成测试钱包的创建
 - 设置 Network 打开 Substrate
 - Switch Network: Substrate



- http://app2.substrate.cc/
- 选择本地节点
- 用浏览器插件的test账号测试一笔转账



Sample 1:链信息查询

- 安装 Node 和 Yarn 环境
- 执行 `yarn` 安装依赖库
- `node basic_connect_local.js`
- `node display_data.js`
- `node read_account.js`
- `node tx.js`
- `node test.js`

https://github.com/ericfish/Substrate-Dev-Book/tree/master/00-connect



Sample 2:画布应用

- 配置画布应用
 - http://blog.boka.network/2020/02/29/subtrate-xue-xi-bi-ji-ben-de-pei-zhisubstrate-20/
- •测试画布应用
- 开发与插件钱包交互的优化版本
 - http://blog.boka.network/2020/03/30/polkadotjs-kai-fa-jiao-cheng-shi-xiansubstrate-h/
 - https://github.com/ericfish/Substrate-Dev-Book/tree/master/01-remarks-ui



Sample 3:查询交易记录

- 订阅Events
- 遍历Block
- http://blog.boka.network/2020/03/30/polkadotjs-kai-fa-jiao-chengcha-xun-jiao-yi-ji-l/
- https://github.com/ericfish/Substrate-Dev-Book/tree/master/02-txhistory



TIPS

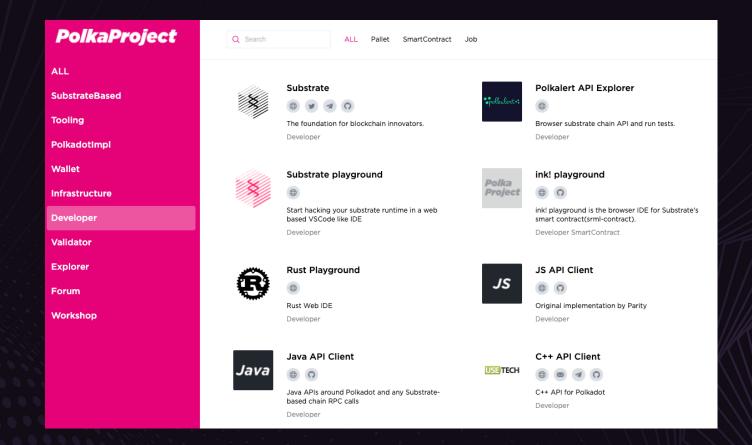
https://apiexplorer.polkalert.com/

•polkalert•:	getChildStorageHash(childStorageKey, childDefinition, childType, key, at) Retrieves the child storage hash api > rpc > state > getChildStorageHash (api.rpc.state.getChildStorageHash)		
	Can be tested? ✓ Is not signed ✓ Is not a subscription	Return type Hash	
S	Params	Test result	
Switch Node	childStorageKey: StorageKey Required!		RESET
		Fill out the required params and click the "Run test" button.	
Q Explore API	childDefinition: StorageKey Required!		
☑ Contact	childType: u32 Required!		
	key: StorageKey Required!		
	at: BlockHash Optional		
Made by	Run test		
3			



TIPS

http://www.polkaproject.com/





https://github.com/ericfish/Substrate-Dev-Book



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